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In the claims:

Please amend the claims as follows:

Claim 1. (Currently Amended) A method of determining evaluating a protein kinase C (PKC) activity in a cardiovascular tissue other than monocytes of a subject, the method comprising:

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evaluating determining the level of the PKC activity in monocytes of the subject, and correlating the level of PKC activity in the monocytes being correlated to the level of PKC activity in the cardiovascular tissue other than monocytes.

Claim 2. (Original) The method of claim 1, wherein the PKC activity is PKC \( \beta \) activity.

Claim 3. (Canceled)

Claim 4. (Currently Amended) The method of claim 3 1, wherein the cardiovascular tissue is retinal, kidney or aorta vascular tissue or heart.

Claim 5. (Original) The method of claim 1, wherein the subject is a human.

Claim 6. (Original) The method of claim 1, wherein the subject is an experimental animal.

Claims 7-15. (Canceled)

Claim 16. (Currently Amended) A method of evaluating a subject for the extent, stage, or severity, of a PKC related disorder cardiovascular complication of diabetes, the method comprising:

determining evaluating the level of PKC activity in monocytes of the subject; and

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optionally comparing the level of the PKC activity in monocytes of the subject with a standard, and

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<u>correlating</u> the level of PKC activity being correlated with the extent, stage, or severity, of the PKC related disorder\_cardiovascular complication of diabetes.

Claim 17. (Currently Amended) The method of claim 16, wherein the <u>diabetic</u> complication is <u>diabetic retinopathy</u> disorder is <u>diabetes</u>.

Claim 18. (Currently Amended) The method of claim 16, wherein the <u>diabetic</u> complication is <u>diabetic nephropathy</u> <u>disorder</u> is a <u>cardiovascular disorder</u>.

Claim 19. (Currently Amended) The method of claim 16, wherein the <u>diabetic</u> complication is <u>disorder</u> is <u>diabetes mellitus</u>, <u>Type I diabetes</u>, <u>Type II diabetes</u>, <u>diabetic</u> retinopathy, proliferative <u>diabetic retinopathy</u>, non-proliferative <u>diabetic retinopathy</u>, <u>diabetic nephropathy</u>, <u>microalbumiuria</u>, <u>proteinuria</u>, <u>renal failure</u>, hypertension, atherosclerosis, coronary artery spasm, congestive heart failure, coronary artery disease, valvular disease, arrhythmias, and cardiomyopathy.

Claim 20. (Original) The method of claim 16, wherein the PKC activity is PKC  $\beta$  activity.

Claim 21. (Original) The method of claim 16, wherein the subject is a human.

Claim 22. (Original) The method of claim 16, wherein the subject is an experimental animal.

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Claim 23. (Currently Amended) A method of evaluating the effect of a treatment for a PKC related disorder on determining the efficacy of treating a cardiovascular complication of diabetes in a subject comprising:

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administering a treatment for a cardiovascular complication of diabetes PKC related disorder to a subject; and

determining evaluating the level of a PKC activity in monocytes of the subject, and correlating the level of PKC activity with the efficacy of treating the cardiovascular complication of diabetes thereby evaluating the effect of the treatment.

- Claim 24. (Currently Amended) The method of claim 23, wherein the disorder is diabetes complication is diabetic retinopathy.
- (Currently Amended) The method of claim 23, wherein the disorder is a Claim 25. cardiovascular disorder complication is diabetic nephropathy.
- Claim 26. (Currently Amended) The method of claim 23, wherein the disorder is diabetes mellitus, Type I diabetes, Type II diabetes, diabetic retinopathy, proliferative diabetic retinopathy, non-proliferative diabetic retinopathy, diabetic nephropathy, microalbumiuria, proteinuria, renal failure, hypertension, atherosclerosis, coronary artery spasm, congestive heart failure, coronary artery disease, valvular disease, arrhythmias, or cardiomyopathy.
- Claim 27. (Original) The method of claim 23, wherein the PKC activity is PKC β activity.
  - Claim 28. (Original) The method of claim 23, wherein the subject is a human.
- (Original) The method of claim 23, wherein the subject is an experimental Claim 29. animal.

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Claim 30. (Currently Amended) A method of identifying a compound for the treatment of a PKC related disorder treating a cardiovascular complication of diabetes in a subject, the method comprising:

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administering a test compound for the treatment of the disorder complication to the subject; and

determining evaluating a PKC activity in monocytes of the subject, and the level of PKC activity being correlated with the effect of the treatment on the disorder selecting a compound if it reduces the monocyte PKC activity in the subject, thereby identifying a compound for treating a cardiovascular complication of diabetes.

- Claim 31. (Currently Amended) The method of claim 30, wherein the disorder is diabetes complication is diabetic retinopathy.
- (Currently Amended) The method of claim 30, wherein the disorder is Claim 32. diabetes complication is diabetic nephropathy.
- Claim 33. (Currently Amended) The method of claim 30, wherein the complication is PKC related disorder is diabetes mellitus, Type I diabetes, Type II diabetes, diabetic retinopathy, proliferative diabetic retinopathy, non-proliferative diabetic retinopathy, diabetic nephropathy, microalbumiuria, proteinuria, renal-failure, hypertension, atherosclerosis, coronary artery spasm, congestive heart failure, coronary artery disease, valvular disease, arrhythmias, or cardiomyopathy.
- (Original) The method of claim 30, wherein the PKC activity is PKC β Claim 34. activity.
- (Currently Amended) The method of claim 30, further comprising: Claim 35. optionally identifying a subject in need of a treatment for the disorder complication;
  - optionally evaluating a PKC activity in monocytes of the subject; and

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comparing the PKC activity before the administration administering of the test compound to the PKC activity after administration administering of the test compound, wherein a compound for the treatment of the disorder complication is identified when the PKC activity after the administration administering of the compound is altered compared to a standard the PKC activity before the adminstering.

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- Claim 36. (Original) The method of claim 30, wherein the subject is a human.
- Claim 37. (Original) The method of claim 30, wherein the subject is an experimental animal.
- Claim 38. (Currently Amended) A method of identifying a compound for the treatment of treating aging or an aging related disorder in a subject, the method comprising: administering a test compound for the treatment of aging or an aging related disorder to the subject; and

determining evaluating a PKC activity in monocytes of the subject, and the level of PKC activity being correlated with the effect of the treatment on the disorder selecting a compound if it increases the monocyte PKC activity in the subject, thereby identifying a compound for the treatment of aging.

Claim 39. (Canceled)

- (New) A method of evaluating the relative age of a subject, the method Claim 40. comprising evaluating the level of a PKC activity in monocytes of the subject, the level of PKC activity being inversely correlated to the relative age of the subject.
- Claim 41. (New) The method of claim 40, wherein the PKC activity is PKC  $\beta$ activity.
  - Claim 42. (New) The method of claim 40, wherein the subject is a human.

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(New) The method of claim 40, wherein the subject is an experimental Claim 43.

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animal.